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**NPIC/TSG/RED-295-70**  
**10 December 1970**

**MEMORANDUM FOR:** Chief, Technical Services Group, NPIC  
**THROUGH :** Chief, Research & Engineering Division, TSG  
**SUBJECT :** Guidance for Five Year Planning, Fiscal 1973-1977  
**REFERENCE :** Executive Director's Memo Re Subject, [REDACTED] dated 5 October 1970

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1. Paragraphs 12 through 16 of the reference are directly concerned with guidance for R&D planning during the subject period. This memo reviews RED response to this guidance. The most specific guidance is contained in paragraph 15.

2. Reference, paragraph 15. This paragraph is directly concerned with guidance for reduced levels of spending in several of our R&D categories. The following remarks indicate our responses to this guidance:

a. Human Factors Research. This refers to our Imagery Interpretation Process category. We have held the current budgetary planning level and reduced the long range budget to half of that of our previous submission.

b. Information Technology. We have held our current budgetary planning level and also reduced our long range budgetary figures by 90% in this category.

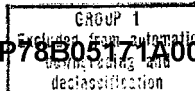
c. Image Analysis and Quality Evaluation. This refers to our Image Analysis and Manipulation category. We have held our current budgetary planning level and reduced our long range budget by approximately 25% in this category. This has resulted in stretching out our Digital Image Manipulation program which was one of the means recommended for budgetary reduction in paragraph 15 of the reference.

d. Mensuration. It was our judgment that our planning was already at a minimal level in this category. During our preliminary R&D briefing, we acquainted [REDACTED] with this conviction on our part and believe he assented to it.

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e. Image Interpretation Instruments and Techniques. This category was held to its previous budgetary planning level although there were several factors which indicated the desirability of

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increasing it. In order to maintain this level, we have stretched out the development period for the Automatic Stereo Scanner, the Automatic Target Change Indicator, and the Stereogram Maker.

3. Reference paragraph 16, EOI. This category is held at the same budgetary level as that of the Center's final submission last year which already represented a reduction of more than 50% of the budgetary level estimated by RED. In response to the Executive Director's guidance this level was not increased during the current planning exercise. In addition, we are continuing to maintain a high level of coordination with the [ ] Committee and OSP in the formulation and pursuit of EOI related R&D efforts.

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[ ]  
Special Assistant for Plans & Applications, RED

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